

702 SUBFOUNDATION WORK MAT CONCRETE

702.01 DESCRIPTION

Subfoundation work mat concrete shall be used in areas as approved and directed by the Engineer or as shown on the plans. It is intended to be used as a work mat for spread and pile foundations. Subfoundation work mat concrete shall consist of the removal and disposal of foundation material immediately below the footing plan grade and replacement with concrete as herein specified.

The Contractor will be required to furnish his own disposal area for removed material.

702.02 MATERIALS

Materials shall conform to the requirements of 817.02. Work mat concrete shall contain 4 bags of portland cement, 1,336 lbs. of sand (+ or -10), 1,844 lbs. (+ or -10) #67 gravel, and 41 gallons of water per cubic yard.

702.03 CONSTRUCTION REQUIREMENTS

Concrete masonry construction shall conform to pertinent requirements of 703. The slump shall not exceed 6 inches. The depth of the subfoundation work mat concrete below the footing plan grade shall be as shown on the plans. Concrete need not be vibrated but shall be puddled, spaded, and worked in a sufficient extent to insure elimination of voids. No surface finishing of the concrete is required. However, within footing areas, the surface shall be rough, reasonably level and uniform, and no higher than the plan elevation of bottom of the footing. Provisions applying to sheeting, shoring and bracing shall be as required in 205.

702.04 MEASURE AND PAYMENT

The unit of measure for Subfoundation Work Mat Concrete will be the cubic yard. The number of cubic yards will be the actual amount of subfoundation work mat concrete used but limited to the net footing plan dimensions and a thickness as shown on the plans. No measurement will be made for subfoundation work mat concrete in excess of the thickness specified on the plans.

The number of cubic yards of Subfoundation Work Mat Concrete determined above will be paid for at the contract unit price per cubic yard which payment will include all labor, materials, equipment, tools, and incidentals necessary to remove and dispose of subgrade material and replace it with Subfoundation Work Mat Concrete, as herein specified.